

Microfabricated Fluidic Structures

Abstract

A plate for use in mixing and testing materials in the pharmaceutical industry is formed by a method in which an array of sample cells contain a U-shaped structure having two vertical apertures connected by a horizontal passage in a bottom sheet; reagents are drawn in to the vertical passages by capillary action or other forces and react in the horizontal passage. An optional version of the invention includes a relatively large reservoir for containing rinsing fluids.